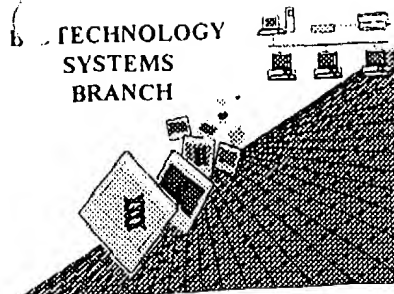


RAW SEQUENCE LISTING ERROR REPORT



U4C0
02-p7-d

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/759,287

Source: OIPE

Date Processed by STIC: 1-29-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING DATE: 01/29/2001
 PATENT APPLICATION: US/09/759,287 TIME: 16:45:37

Input Set : A:\Unl299-1.txt
 Output Set: N:\CRF3\01292001\I759287.raw

3 <110> APPLICANT: The Board of Regents of the University of Nebraska
 5 <120> TITLE OF INVENTION: IDENTIFICATION OF VIRULENCE DETERMINANTS
 7 <130> FILE REFERENCE: UNL 2999.01
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/759,287
 C--> 9 <141> CURRENT FILING DATE: 2001-01-11
 9 <150> PRIOR APPLICATION NUMBER: US 60/175,433
 10 <151> PRIOR FILING DATE: 2000-01-11
 12 <160> NUMBER OF SEQ ID NOS: 6
 14 <170> SOFTWARE: PatentIn version 3.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 20
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial/Unknown
 21 <220> FEATURE:
 22 <221> NAME/KEY: misc_feature
 23 <222> LOCATION: ()..()
 24 <223> OTHER INFORMATION: Primer
 27 <400> SEQUENCE: 1
 28 ggctcagcgca ggcgaagccc
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 20
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Artificial/Unknown
 36 <220> FEATURE:
 37 <221> NAME/KEY: misc_feature
 38 <222> LOCATION: ()..()
 39 <223> OTHER INFORMATION: Primer
 42 <400> SEQUENCE: 2
 43 gccaggtcca cactgccc
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 19
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Mycobacterium smegmatis
 51 <220> FEATURE:
 52 <221> NAME/KEY: misc_feature
 53 <222> LOCATION: (1)..(19)
 54 <223> OTHER INFORMATION: Transposon
 57 <400> SEQUENCE: 3
 58 tggttaacggg ctcttcgca
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 19
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Mycobacterium smegmatis
 66 <220> FEATURE:
 67 <221> NAME/KEY: misc_feature
 68 <222> LOCATION: (1)..(19)
 69 <223> OTHER INFORMATION: Transposon

Does Not Comply
 Corrected Diskette Needed

Valid <213> responses:

- 1 - Genus species²⁰
- 2 - Artificial Sequence
- 3 - Unknown Sequence

Artificial sequences and Unknown sequences are separate entities, and must be labelled as such.

Both require <220>, <223> features¹⁹

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/759,287

DATE: 01/29/2001
TIME: 16:45:37

Input Set : A:\Un1299-1.txt
Output Set: N:\CRF3\01292001\I759287.raw

72 <400> SEQUENCE: 4
73 tgcgaagagc ctgttaacg 19
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 23
78 <212> TYPE: PRT
79 <213> ORGANISM: Mycobacterium paratuberculosis
81 <400> SEQUENCE: 5
83 Arg Arg Thr Gly Pro Val Gly Ile Ser Ala Val Ala Ala Leu His Gly
84 1 5 10 15
86 Trp Ser Asp Ser Gly Gln Pro
87 20
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 23
91 <212> TYPE: PRT
92 <213> ORGANISM: Mycobacterium leprae
94 <400> SEQUENCE: 6
96 Gln Arg Thr Ala Pro Phe Gly Val Pro Ala Ala Asp Ala Leu Arg Gly
97 1 5 10 15
99 Trp Leu Asp Asp Gly Arg Pro
100 20

VERIFICATION SUMMARY DATE: 01/29/2001
PATENT APPLICATION: US/09/759,287 TIME: 16:45:38

Input Set : A:\Unl299-1.txt
Output Set: N:\CRF3\01292001\I759287.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date